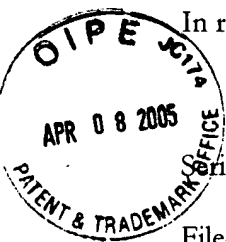


Docket No.: **K-0090G**

**PATENT**

*SPW*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**



In re Application of

Confirmation No.: **9126**

**Young Joon SONG**

Group Art Unit: **2681**

Serial No.: **10/719,057**

Examiner: **Nay Aung MAUNG**

Filed: **November 24, 2003**

Customer No.: **34610**

For: **PILOT SIGNALS FOR SYNCHRONIZATION AND/OR CHANNEL ESTIMATION**

**INFORMATION DISCLOSURE STATEMENT**

U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, Virginia 22314

Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the indicated date. Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, that information cited in the statement is considered to be and/or is material to patentability, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that was cited or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. §120. 1138 OG 37, 38 (May 19, 1992).

- ☒ 1. This Information Disclosure Statement is being filed (i) within three months of the U.S. filing date of a U.S. application other than a CPA continued prosecution application under §1.53(d) OR (ii) within three months of the date of entry of the national stage as set forth in §1.491 in an international application OR (iii) before the mailing date of a first Office Action on the merits OR (iv) before the mailing of a first Office Action after the filing of a Request for continued examination under §1.114. No certification or fee is required. 37 C.F.R. §1.97(b).
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection OR Notice of Allowance OR an action that otherwise closes prosecution in the application. 37 C.F.R. §1.97(c).
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).

- ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).
- ☐ c. Attached is our check no. \_\_\_\_\_ in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). Please credit or debit Deposit Account No. 16-0607 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ 3. This Information Disclosure Statement is being filed after the mailing date of a Final Rejection OR Notice of Allowance OR an action that otherwise closes prosecution in the application, but on or before payment of the Issue Fee. Attached is our check no. \_\_\_\_\_ in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). Please credit or debit Deposit Account No. 16-0607 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached. 37 C.F.R. §1.97(d).
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).
- ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).
- ☒ 4. Applicant wishes to bring to the Examiner's attention the existence of the following co-pending and patented U.S. Patent Applications, which are directed to related technical subject matter. Copies of the references were cited by or submitted to the Office in parent application U.S. Patent Application Serial No. 09/376,373 filed August 18, 1999, which claims the benefit of U.S. Provisional Application No. 60/136,763 filed May 28, 1999 and this application is also a continuation-in-part of Application Nos. 09/373,703 filed August 13, 1999, and Application Nos. 09/525,444, 09/525,446, 09/525,447, and 09/525,448 all filed March 14, 2000, which are relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not attached. 37 C.F.R. §1.98(d).

Serial No.	Filed	Examiner
60/136,763	May 28, 1999	
09/373,703	August 13, 1999	Soon D. HYUN
09/376,373	August 18, 1999	Nhat Q. DO
09/525,444	March 14, 2000	Chi Ho A. LEE
09/525,446	March 14, 2000	Chi Ho A. LEE
09/525,447	March 14, 2000	Chi Ho A. LEE
09/525,448	March 14, 2000	Chi Ho A. LEE

- ☒ 5. To the extent necessary, a petition for an extension of time under 37 C.F.R. §1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

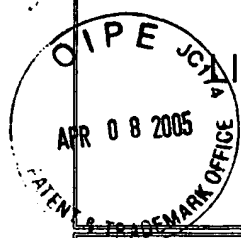
Respectfully submitted,  
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Date: April 8, 2005

**Please direct all correspondence to Customer Number 34610**



# LIST OF ART CITED BY APPLICANT

(PTO-1449)

 ATTY. DOCKET NO.  
K-0090G

 APPLN. SERIAL NO.  
10/719,057

APPLICANT(S)

Young-Joon SONG

 FILING DATE  
November 24, 2003

 GROUP  
2684

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
	3,461,451	08/1969	Gutleber, Frank S.			
	5,022,047	06/1991	Dixon et al.			
	5,504,781	04/1996	Wolf, Andreas			
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APPLICANT

(PTO-1449)

ATTY. DOCKET NO.  
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EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
	6,647,003	11/2003	Abeta et al.			
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	6,721,299	04/13/2004	Song			

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	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	

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	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	DE 197 44 428 C1	02/25/1999	Germany (German Full Text)				
	EP 0 886 385 A2	12/23/1998	Europe			X	
	JP 03032241 A	02/12/1991	Japan (English Abstract Only)			X	
	JP 04-142823	05/15/1992	Japan (English Abstract and Japanese Full Text)			X	
	JP 09051289 A	02/18/1997	Japan (English Abstract Only)			X	
	WO 00/00912 A1	01/07/1999	WIPO			X	
	WO 00/50902 A2	02/03/2000	WIPO			X	
	WO 95/34154 A2	12/14/1995	WIPO			X	
	WO 95/34157	12/14/1995	WIPO			X	

<b>LIST OF ART CITED BY APPLICANT</b>  <b>(PTO-1449)</b>	ATTY. DOCKET NO. <b>K-0090G</b>	APPLN. SERIAL NO. <b>10/719,057</b>
	APPLICANT(S) <b>Young-Joon SONG</b>	
	FILING DATE <b>November 24, 2003</b>	GROUP <b>2684</b>
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)</b>		
	Concept Group Alpha, "Evaluation Document (Draft 1.0), Part 1, ETSI Tdoc SMG2 270/97, 1997.*	
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	WADE, J.G., "Signal Coding and Processing," Ellis Horwood Limited, West Sussex, England, 1987, pp. 86-87 and 92-95.	
EXAMINER _____ DATE CONSIDERED _____		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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